

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P231547

Luminaire Tested: **S122-DR-1-27-X-0048-1-U-DD-3-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P231547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1612-022-4)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122-DR-1-27-X-0048-1-U-DD-3-W  
Description: DEFINE 2 LED LINEAR DIRECT RECESSED LED LUMINAIRE WITH ASYMMETRIC LENS.  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2218.2 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.03 / 1.18  
Luminous Opening: Rectangular (W 3.92' x L: 0.14' x H: 0')  
CIE Type: Direct

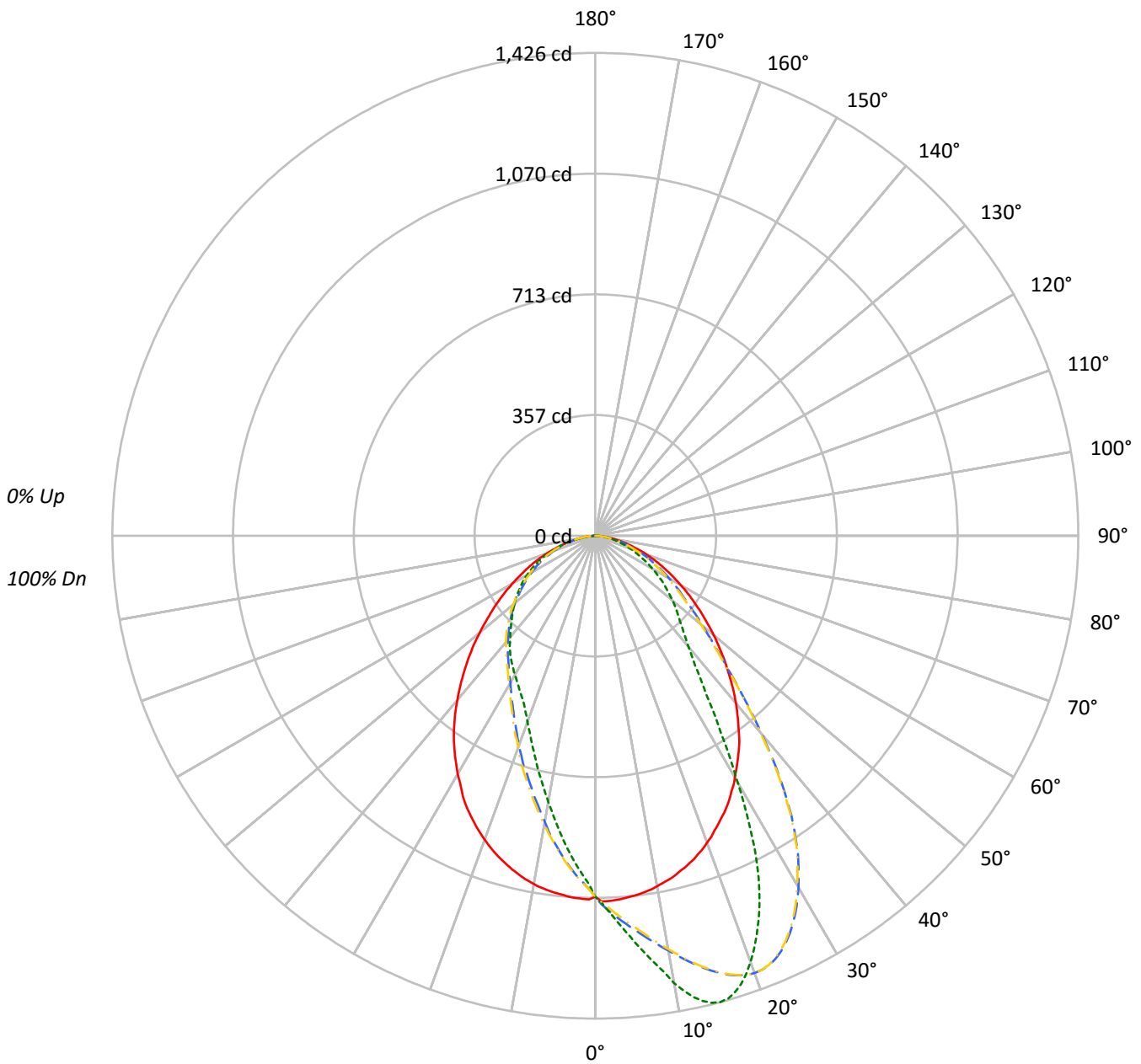
Input Watts (W): 27.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P231547

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - 90°-270°    - · - 135°-315°



TEST NUMBER: P231547

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |   |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|---|--|---|
| RF  | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |    |    | 20 |    |     |   |  |   |
| RC  | 80  |     |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |    |    | 10 |    |     |   |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 50 | 30 | 10  | 0 |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |   |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |    | 100 |   |  |   |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 99  | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 88  | 86  |    |    |    |    | 86  |   |  |   |
| 2   | 101 | 94  | 88  | 83  | 99  | 92  | 86  | 82  | 88  | 84  | 80  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |    |    |    |    | 74  |   |  |   |
| 3   | 93  | 84  | 76  | 70  | 91  | 82  | 75  | 70  | 79  | 73  | 68  | 76  | 72  | 67  | 74  | 70  | 66  | 64  |    |    |    |    | 64  |   |  |   |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 60  | 71  | 65  | 60  | 69  | 63  | 59  | 67  | 62  | 58  | 56  |    |    |    |    | 56  |   |  |   |
| 5   | 80  | 68  | 59  | 53  | 78  | 67  | 59  | 53  | 65  | 58  | 53  | 63  | 57  | 52  | 61  | 56  | 51  | 49  |    |    |    |    | 49  |   |  |   |
| 6   | 74  | 62  | 53  | 47  | 72  | 61  | 53  | 47  | 59  | 52  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 44  |    |    |    |    | 44  |   |  |   |
| 7   | 69  | 56  | 48  | 42  | 67  | 56  | 48  | 42  | 54  | 47  | 42  | 53  | 46  | 42  | 51  | 46  | 41  | 40  |    |    |    |    | 40  |   |  |   |
| 8   | 64  | 52  | 44  | 38  | 63  | 51  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 36  |    |    |    |    | 36  |   |  |   |
| 9   | 60  | 48  | 40  | 35  | 59  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 34  | 44  | 38  | 34  | 33  |    |    |    |    | 33  |   |  |   |
| 10  | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 31  | 30  |    |    |    |    | 30  |   |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 20932 | 20932 | 20932 | 20932 |
| 5°  | 21142 | 23441 | 21000 | 18336 |
| 10° | 20957 | 26754 | 20826 | 15910 |
| 15° | 20638 | 28978 | 20455 | 13864 |
| 20° | 20150 | 27988 | 19950 | 12225 |
| 25° | 19532 | 24806 | 19312 | 11224 |
| 30° | 18677 | 19056 | 18419 | 10755 |
| 35° | 17767 | 13667 | 17451 | 10453 |
| 40° | 16546 | 10932 | 16239 | 10027 |
| 45° | 15249 | 9783  | 14966 | 9686  |
| 50° | 13926 | 9101  | 13614 | 9504  |
| 55° | 12635 | 8416  | 12307 | 9319  |
| 60° | 11440 | 7636  | 11087 | 9163  |
| 65° | 10312 | 6893  | 9921  | 8783  |
| 70° | 9172  | 6250  | 8690  | 8104  |
| 75° | 7850  | 5582  | 7304  | 7304  |
| 80° | 6489  | 4804  | 5754  | 5890  |
| 85° | 4978  | 4167  | 4302  | 4054  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.1  | 4.6       |
| 10°-20°   | 290.7  | 13.1      |
| 20°-30°   | 412.2  | 18.6      |
| 30°-40°   | 423.7  | 19.1      |
| 40°-50°   | 371.3  | 16.7      |
| 50°-60°   | 295.2  | 13.3      |
| 60°-70°   | 199.1  | 9.0       |
| 70°-80°   | 100.8  | 4.5       |
| 80°-90°   | 24.2   | 1.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 803.9  | 36.2      |
| 0°-40°    | 1227.6 | 55.3      |
| 0°-60°    | 1894.1 | 85.4      |
| 0°-90°    | 2218.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2218.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1066 | 1066 | 1066 | 1066 | 1066 |      |
| 5°  | 1073 | 1190 | 1066 | 930  | 1073 | 102  |
| 15° | 1016 | 1426 | 1006 | 682  | 1016 | 286  |
| 25° | 902  | 1145 | 892  | 518  | 902  | 414  |
| 35° | 741  | 570  | 728  | 436  | 741  | 461  |
| 45° | 549  | 352  | 539  | 349  | 549  | 424  |
| 55° | 369  | 246  | 360  | 272  | 369  | 331  |
| 65° | 222  | 148  | 214  | 189  | 222  | 221  |
| 75° | 104  | 74   | 96   | 96   | 104  | 111  |
| 85° | 22   | 18   | 19   | 18   | 22   | 27   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P231547

CATALOG NUMBER: S122-DR-1-27-X-0048-1-U-DD-3-W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 |
| 1°    | 1080.1 | 1080.7 | 1089.6 | 1097.4 | 1084.9 | 1082.5 | 1081.9 | 1068.7 | 1074.1 | 1051.4 | 1043.6 |
| 2°    | 1079.5 | 1089.6 | 1107.6 | 1120.8 | 1108.8 | 1104.6 | 1098.6 | 1076.5 | 1072.9 | 1040.6 | 1025.6 |
| 3°    | 1078.3 | 1098.6 | 1125.0 | 1143.5 | 1134.5 | 1126.7 | 1116.0 | 1084.9 | 1071.7 | 1029.8 | 1008.3 |
| 4°    | 1075.9 | 1105.8 | 1141.1 | 1166.2 | 1161.5 | 1149.5 | 1132.7 | 1092.6 | 1069.3 | 1017.8 | 989.1  |
| 5°    | 1072.9 | 1113.6 | 1157.9 | 1190.8 | 1189.6 | 1172.8 | 1150.1 | 1099.8 | 1065.7 | 1007.1 | 968.8  |
| 6°    | 1069.9 | 1120.2 | 1174.6 | 1215.3 | 1218.9 | 1197.4 | 1166.8 | 1106.4 | 1062.7 | 993.9  | 947.8  |
| 7°    | 1066.3 | 1126.2 | 1192.0 | 1242.2 | 1248.2 | 1223.1 | 1184.2 | 1113.0 | 1059.1 | 980.7  | 926.3  |
| 8°    | 1062.1 | 1132.7 | 1209.3 | 1268.6 | 1276.9 | 1249.4 | 1202.1 | 1118.4 | 1054.9 | 967.0  | 904.8  |
| 9°    | 1057.3 | 1138.1 | 1226.7 | 1296.1 | 1306.3 | 1275.1 | 1220.7 | 1123.8 | 1050.2 | 952.6  | 883.8  |
| 10°   | 1051.4 | 1143.5 | 1244.6 | 1322.4 | 1342.2 | 1306.3 | 1239.2 | 1128.5 | 1044.8 | 937.7  | 857.5  |
| 11°   | 1044.8 | 1148.3 | 1262.6 | 1347.6 | 1369.1 | 1330.8 | 1257.8 | 1133.9 | 1038.2 | 922.1  | 835.3  |
| 12°   | 1038.8 | 1153.1 | 1280.5 | 1371.5 | 1392.4 | 1353.5 | 1276.9 | 1137.5 | 1031.6 | 905.9  | 814.4  |
| 13°   | 1032.2 | 1156.7 | 1297.9 | 1391.8 | 1410.4 | 1374.5 | 1294.9 | 1140.5 | 1023.2 | 889.2  | 793.5  |
| 14°   | 1023.2 | 1160.9 | 1314.6 | 1408.0 | 1421.8 | 1392.4 | 1312.2 | 1144.1 | 1015.5 | 872.4  | 772.5  |
| 15°   | 1015.5 | 1163.8 | 1330.2 | 1418.2 | 1425.9 | 1405.0 | 1328.4 | 1148.3 | 1006.5 | 855.1  | 752.2  |
| 16°   | 1006.5 | 1167.4 | 1344.0 | 1422.3 | 1421.8 | 1409.8 | 1342.2 | 1150.7 | 996.9  | 837.1  | 731.8  |
| 17°   | 998.1  | 1169.8 | 1355.9 | 1419.4 | 1409.8 | 1406.2 | 1354.7 | 1153.7 | 987.9  | 819.8  | 716.9  |
| 18°   | 986.7  | 1172.2 | 1364.9 | 1409.2 | 1392.4 | 1399.0 | 1364.3 | 1154.9 | 977.8  | 801.8  | 697.1  |
| 19°   | 977.2  | 1174.6 | 1371.5 | 1393.0 | 1368.5 | 1382.9 | 1371.5 | 1156.7 | 967.0  | 783.9  | 677.4  |
| 20°   | 964.6  | 1175.8 | 1374.5 | 1370.9 | 1339.8 | 1360.1 | 1374.5 | 1157.3 | 955.0  | 761.1  | 658.2  |
| 21°   | 953.8  | 1176.4 | 1373.3 | 1344.6 | 1307.5 | 1333.2 | 1373.3 | 1157.9 | 943.6  | 743.2  | 640.3  |
| 22°   | 939.5  | 1177.0 | 1367.9 | 1314.0 | 1271.6 | 1302.7 | 1367.3 | 1158.5 | 931.1  | 725.2  | 621.7  |
| 23°   | 926.9  | 1177.0 | 1358.9 | 1281.1 | 1233.3 | 1269.2 | 1356.5 | 1158.5 | 917.9  | 706.1  | 605.0  |
| 24°   | 913.1  | 1176.4 | 1345.2 | 1246.4 | 1191.4 | 1235.1 | 1342.2 | 1157.9 | 904.8  | 692.3  | 588.2  |
| 25°   | 901.8  | 1175.2 | 1328.4 | 1209.3 | 1145.3 | 1199.2 | 1324.8 | 1156.7 | 891.6  | 673.8  | 572.1  |
| 26°   | 887.4  | 1172.8 | 1308.7 | 1169.2 | 1093.2 | 1159.7 | 1303.9 | 1154.9 | 877.2  | 655.8  | 557.1  |
| 27°   | 872.4  | 1170.4 | 1285.3 | 1125.0 | 1035.2 | 1116.0 | 1280.5 | 1152.5 | 862.3  | 637.9  | 542.1  |
| 28°   | 855.7  | 1166.8 | 1259.6 | 1074.7 | 971.8  | 1065.7 | 1253.6 | 1148.3 | 843.7  | 620.5  | 528.4  |
| 29°   | 842.5  | 1162.7 | 1230.9 | 1020.8 | 905.9  | 1008.9 | 1223.7 | 1144.7 | 827.6  | 603.2  | 514.6  |
| 30°   | 824.0  | 1157.9 | 1199.8 | 962.2  | 840.7  | 949.0  | 1192.0 | 1139.9 | 812.6  | 586.4  | 501.4  |
| 32.5° | 782.7  | 1139.9 | 1113.0 | 812.0  | 689.9  | 796.4  | 1110.6 | 1122.6 | 770.7  | 545.7  | 473.3  |
| 35°   | 741.4  | 1115.4 | 1009.5 | 662.4  | 570.3  | 659.4  | 1005.9 | 1099.2 | 728.2  | 507.4  | 448.2  |
| 37.5° | 692.3  | 1082.5 | 889.2  | 561.9  | 484.7  | 550.5  | 884.4  | 1067.5 | 682.2  | 469.7  | 424.8  |
| 40°   | 645.7  | 1042.4 | 764.7  | 479.3  | 426.6  | 471.5  | 759.3  | 1028.0 | 633.7  | 435.6  | 401.5  |
| 42.5° | 597.2  | 993.9  | 648.6  | 420.7  | 384.8  | 415.3  | 643.3  | 978.9  | 585.8  | 404.5  | 378.2  |
| 45°   | 549.3  | 936.5  | 550.5  | 374.6  | 352.4  | 373.4  | 545.7  | 922.1  | 539.1  | 374.6  | 355.4  |
| 47.5° | 502.0  | 871.2  | 473.3  | 343.5  | 324.3  | 339.3  | 467.3  | 856.3  | 492.5  | 346.5  | 332.7  |
| 50°   | 456.0  | 797.6  | 412.3  | 313.6  | 298.0  | 310.0  | 405.7  | 777.3  | 445.8  | 319.5  | 308.8  |
| 52.5° | 411.1  | 726.4  | 363.2  | 284.8  | 269.9  | 283.0  | 355.4  | 700.7  | 400.9  | 293.2  | 284.8  |
| 55°   | 369.2  | 645.1  | 318.9  | 257.9  | 245.9  | 255.5  | 314.1  | 622.3  | 359.6  | 268.1  | 262.1  |
| 57.5° | 329.7  | 564.3  | 286.0  | 231.0  | 219.6  | 228.6  | 277.0  | 539.1  | 320.7  | 243.5  | 239.4  |
| 60°   | 291.4  | 486.5  | 251.9  | 204.0  | 194.5  | 202.3  | 244.1  | 460.8  | 282.4  | 218.4  | 217.8  |
| 62.5° | 255.5  | 413.5  | 220.8  | 178.9  | 171.1  | 177.7  | 213.0  | 390.1  | 246.5  | 194.5  | 195.7  |
| 65°   | 222.0  | 347.1  | 189.7  | 156.8  | 148.4  | 154.4  | 184.3  | 327.3  | 213.6  | 171.1  | 174.1  |



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CATALOG NUMBER: S122-DR-1-27-X-0048-1-U-DD-3-W

**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 189.7 | 282.4 | 164.6 | 132.8 | 128.1 | 131.6  | 157.4 | 268.1  | 181.3 | 146.0  | 150.2 |
| 70°   | 159.8 | 231.0 | 136.4 | 112.5 | 108.9 | 111.3  | 128.7 | 216.6  | 151.4 | 123.9  | 128.7 |
| 72.5° | 129.8 | 185.5 | 112.5 | 93.9  | 90.4  | 92.2   | 106.5 | 172.3  | 122.1 | 102.3  | 107.7 |
| 75°   | 103.5 | 143.6 | 90.4  | 76.0  | 73.6  | 74.2   | 85.6  | 130.4  | 96.3  | 82.0   | 86.8  |
| 77.5° | 79.0  | 107.1 | 70.0  | 59.2  | 57.4  | 58.0   | 65.2  | 95.7   | 72.4  | 62.8   | 66.4  |
| 80°   | 57.4  | 75.4  | 51.5  | 43.7  | 42.5  | 42.5   | 47.3  | 66.4   | 50.9  | 44.9   | 47.9  |
| 82.5° | 38.3  | 49.7  | 35.9  | 30.5  | 29.3  | 29.3   | 31.7  | 41.9   | 32.3  | 29.3   | 31.7  |
| 85°   | 22.1  | 29.3  | 22.1  | 18.5  | 18.5  | 18.0   | 19.1  | 22.7   | 19.1  | 16.2   | 17.4  |
| 87.5° | 10.8  | 13.2  | 10.8  | 9.0   | 9.0   | 7.8    | 8.4   | 8.4    | 6.6   | 5.4    | 5.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |



TEST NUMBER: P231547

CATALOG NUMBER: S122-DR-1-27-X-0048-1-U-DD-3-W

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 |
| 1°    | 1043.0 | 1030.4 | 1035.8 | 1044.8 | 1053.1 | 1080.1 |
| 2°    | 1019.6 | 1005.3 | 1013.1 | 1026.8 | 1043.6 | 1079.5 |
| 3°    | 996.3  | 981.3  | 990.9  | 1010.1 | 1032.8 | 1078.3 |
| 4°    | 970.6  | 956.2  | 965.8  | 991.5  | 1022.0 | 1075.9 |
| 5°    | 944.2  | 930.5  | 940.1  | 971.8  | 1010.7 | 1072.9 |
| 6°    | 918.5  | 903.6  | 914.3  | 951.4  | 998.7  | 1069.9 |
| 7°    | 892.2  | 876.0  | 888.6  | 930.5  | 986.7  | 1066.3 |
| 8°    | 867.1  | 849.1  | 864.1  | 908.9  | 973.0  | 1062.1 |
| 9°    | 841.9  | 823.4  | 838.9  | 888.0  | 955.6  | 1057.3 |
| 10°   | 817.4  | 798.2  | 813.8  | 867.1  | 940.1  | 1051.4 |
| 11°   | 793.5  | 774.3  | 789.9  | 846.1  | 924.5  | 1044.8 |
| 12°   | 770.1  | 750.4  | 766.5  | 825.2  | 909.5  | 1038.8 |
| 13°   | 746.8  | 727.6  | 745.0  | 804.8  | 892.8  | 1032.2 |
| 14°   | 724.6  | 704.9  | 724.0  | 784.5  | 876.6  | 1023.2 |
| 15°   | 702.5  | 682.2  | 703.1  | 764.1  | 858.7  | 1015.5 |
| 16°   | 681.0  | 661.2  | 682.2  | 744.4  | 841.3  | 1006.5 |
| 17°   | 660.6  | 640.3  | 661.8  | 725.2  | 823.4  | 998.1  |
| 18°   | 640.9  | 620.5  | 640.9  | 706.1  | 809.0  | 986.7  |
| 19°   | 620.5  | 602.6  | 621.1  | 687.5  | 790.5  | 977.2  |
| 20°   | 602.6  | 585.2  | 602.0  | 664.2  | 771.3  | 964.6  |
| 21°   | 585.8  | 568.5  | 584.6  | 646.3  | 752.8  | 953.8  |
| 22°   | 569.7  | 553.5  | 567.9  | 632.5  | 734.2  | 939.5  |
| 23°   | 554.1  | 539.7  | 552.3  | 613.9  | 716.3  | 926.9  |
| 24°   | 539.7  | 528.4  | 538.5  | 596.6  | 698.3  | 913.1  |
| 25°   | 527.2  | 518.2  | 526.0  | 579.8  | 680.4  | 901.8  |
| 26°   | 516.4  | 508.6  | 515.2  | 564.3  | 661.8  | 887.4  |
| 27°   | 506.2  | 499.6  | 506.2  | 549.3  | 643.9  | 872.4  |
| 28°   | 497.3  | 490.7  | 496.7  | 535.6  | 626.5  | 855.7  |
| 29°   | 488.3  | 482.3  | 485.9  | 521.8  | 609.2  | 842.5  |
| 30°   | 479.3  | 474.5  | 477.5  | 509.2  | 592.4  | 824.0  |
| 32.5° | 457.8  | 455.4  | 457.2  | 479.9  | 551.7  | 782.7  |
| 35°   | 436.8  | 436.2  | 438.0  | 455.4  | 513.4  | 741.4  |
| 37.5° | 415.9  | 414.7  | 417.7  | 432.6  | 476.9  | 692.3  |
| 40°   | 393.7  | 391.3  | 395.5  | 410.5  | 444.0  | 645.7  |
| 42.5° | 369.8  | 369.2  | 372.8  | 387.8  | 412.9  | 597.2  |
| 45°   | 347.1  | 348.9  | 350.7  | 364.4  | 383.0  | 549.3  |
| 47.5° | 325.5  | 329.7  | 329.1  | 340.5  | 356.0  | 502.0  |
| 50°   | 305.2  | 311.2  | 308.8  | 315.9  | 329.7  | 456.0  |
| 52.5° | 285.4  | 293.2  | 289.0  | 291.4  | 304.0  | 411.1  |
| 55°   | 266.3  | 272.3  | 270.5  | 267.5  | 279.4  | 369.2  |
| 57.5° | 245.9  | 254.3  | 250.7  | 245.3  | 254.9  | 329.7  |
| 60°   | 225.0  | 233.4  | 229.8  | 222.6  | 229.8  | 291.4  |
| 62.5° | 204.0  | 212.4  | 208.8  | 200.5  | 205.2  | 255.5  |
| 65°   | 183.1  | 189.1  | 187.9  | 179.5  | 181.3  | 222.0  |





TEST NUMBER: P231547

CATALOG NUMBER: S122-DR-1-27-X-0048-1-U-DD-3-W

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 161.6  | 167.5 | 165.2  | 157.4 | 157.4  | 189.7 |
| 70°   | 138.2  | 141.2 | 141.2  | 134.6 | 132.8  | 159.8 |
| 72.5° | 113.7  | 118.5 | 117.3  | 113.1 | 110.7  | 129.8 |
| 75°   | 92.7   | 96.3  | 97.5   | 92.2  | 89.2   | 103.5 |
| 77.5° | 71.8   | 74.2  | 76.6   | 71.8  | 69.4   | 79.0  |
| 80°   | 50.9   | 52.1  | 55.6   | 52.7  | 51.5   | 57.4  |
| 82.5° | 32.9   | 34.1  | 36.5   | 35.9  | 35.3   | 38.3  |
| 85°   | 17.4   | 18.0  | 20.3   | 20.9  | 20.9   | 22.1  |
| 87.5° | 4.8    | 6.0   | 7.2    | 8.4   | 9.6    | 10.8  |
| 90°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)